

Occurrences of two *Epicauta* species in Asia with some notes (*Coleoptera, Meloidae*)

Muhabbet Kemal Ahmet Ömer Koçak

Within the frame of the Cesa Project entitled *Entomofauna of Old World* (EOW)¹, the following *Epicauta* species are reported from Küçükkuştaý, Tekes (Uighur Ili)², and Chiang Rai (North Thailand).

***Epicauta* Redtenbacher, 1845**

Epicauta Redtenbacher 1845, Gatt. dtsch. Käfer-Fauna, 133.

***Epicauta waterhousei* (Haag-Rutenberg, 1880) (Fig.1) (Map 1)**

This species is distributed in Thailand, Taiwan, etc. and recorded as pest on groundnut, soybean, eggplants, tomato, and slender amaranth (*Amaranthus viridis*). In Thailand it is known in Central and Northeast provinces. The present record from the vicinity of Chiang Rai, Huay San 530m, is based upon the authors expedition on 29 April, 2006 in North Thailand.

The adult of this species is easily recognized by its dull black elytra with a greyish longitudinal stripe, extending from humeral angle towards apex of elytron, and red head without black dorsal markings.

¹ Announcement of Entomofauna of Old World.- *Cesa News* 31: 8.

² The territory of Uighur Ili is currently recognized politically by P.R.C. as Uighur Autonomous Region. In our scientific publications, this territory is defined geographically as Uighur Ili (means Uighur country), where the Uighur people live. See also <http://acronyms.thefreedictionary.com/Lepidoptera+of+Uighur+Ili> - http://tr.wikipedia.org/wiki/Do%C4%9Fu_T%C3%BCrkistan_Cumhuriyeti



Fig. 1- *Epicausta waterhousei* from Thailand, Chiang Rai, Huay San 530m, 29 4 2006, photo M.Kemal (Cesa)

***Epicausta erythrocephala* (Pallas,1771) (Figs.2-4) (Map 1)**

Meloe erythrocephalus Pallas, 1771, Reise durch verschiedene Provinzen des Rußischen Reichs 1: 466, nr.46.
Type(s): Russia: Volga [see fig.3]

This species was described and named by Pallas in 1771. In some recent publications, date of the publication of *erythrocephala* was reported erroneously as “1776” or “1781”.

Incorrect attributions to the date of publication of *Epicausta erythrocephala* Pallas are given below:

Epicausta erythrocephala (Pallas,1776) by Özbek & Szaloki (1998:34)³
erythrocephala Lytta (Pall.), J. C. Fabricius, Species Insectorum I (1781), 329. -
http://www.sil.si.edu/digitalcollections/indexanimalium/TaxonomicNames/IA_NameSearch.cfm
Epicausta erythrocephala Pallas, 1781: http://species.wikimedia.org/wiki/Epicausta_erythrocephala
Epicausta erythrocephala - (Pallas, 1781): http://zipcodezoo.com/Animals/E/Epicausta_erythrocephala/
Epicausta erythrocephala (Pallas, 1776): <http://szmn.sbras.ru/Coleop/Meloidae.htm>
Epicausta erythrocephala (Pallas, 1776): <http://www.sopsr.sk/istb/index.php?p=20&c=A&o=v>
Epicausta erythrocephala (Pall., 1776): <http://www.zin.ru/Animalia/coleoptera/eng/epierybo.htm>
Epicausta erythrocephala (Pallas,1781): <http://www.galerie-insecte.org/systematique/index.php?liste=ListeColeo&seq=96>

In the first volume of his famous work published in 1771 entitled “Reise durch verschiedene Provinzen des Russischen Reichs” (Fig.2), Pallas described this species from Volga, on page 466, with the name combination “*Meloe erythrocephalus*” (Fig. 3).

³ Özbek & Szaloki,1998, A contribution to the knowledge of the Meloidae (Coleoptera) fauna of Turkey along with new records.- Tr. J. Zool. 22: 23-40 (Tübitak).



Fig. 2 - Title page of the first volume, *Reise durch verschiedene Provinzen des Rußischen Reichs* published in 1771, where original description of "*Meloe erythrocephalus*" published by Pallas.

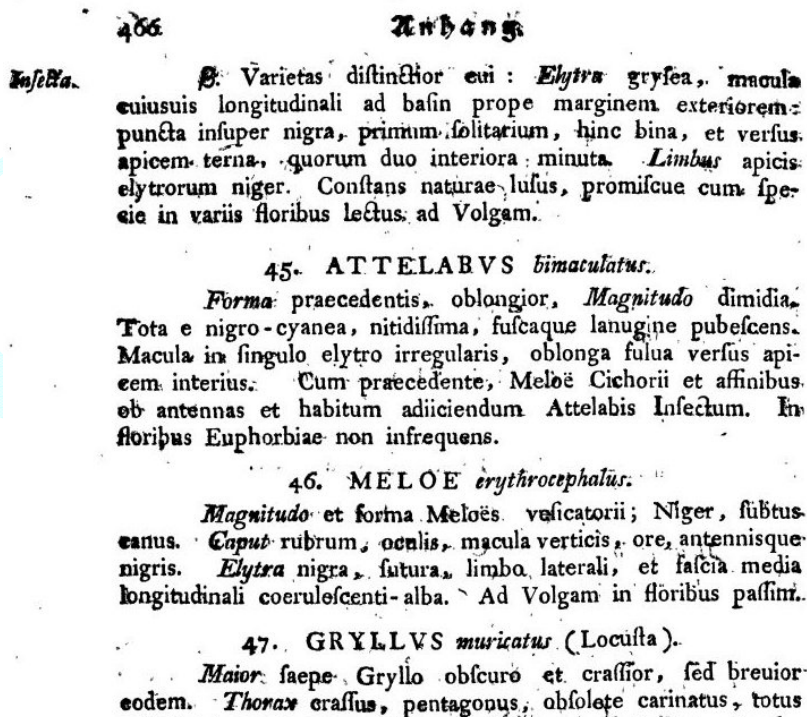


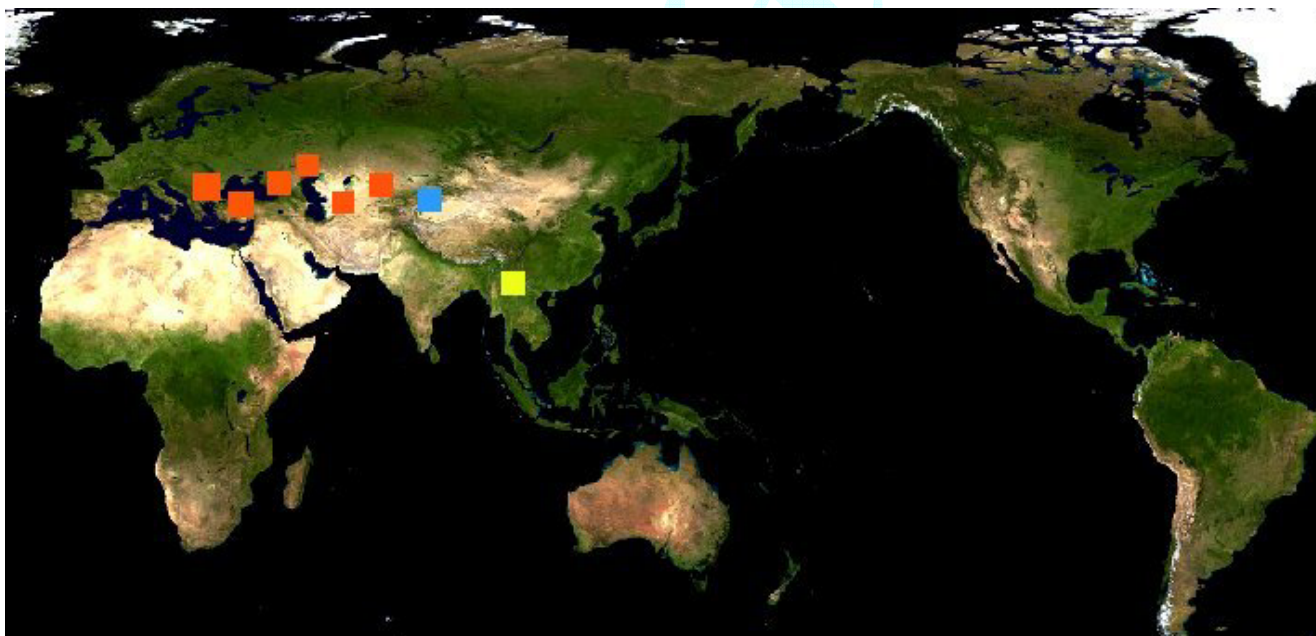
Fig. 3 - Original description of "*Meloe erythrocephalus*", published by Pallas in 1771, *Reise durch verschiedene Provinzen des Rußischen Reichs* 1: 466, nr.46.



Fig. 4- *Epicauta erythrocephala* from Uighur Ili, Tekes, Küçükkuşay 1800m, 10 8 2005, photo M.Kemal (Cesa)

This species is known from Bulgaria, Turkey, Caucasus, and South Russia (Kaszab,1952⁴; Özbek & Szaloki,1998); Uzbekistan, Kazakstan⁵. The present faunal information is based upon the material recorded in Uighur Ili, Tekes, Küçükkuşay 1800m, 10 8 2005 by the authors. This species is apparently new to the fauna of Uighur Ili.

The adult of this species resembles to the previous one, but easily distinguishable from it by the presence of the median black stripe on the head, and greyish median stripe on the pronotum.



Map 1- Distributions of two *Epicauta* species: Yellow square indicates the locality Chiang Rai in northern Thailand for *Epicauta waterhousei*; red squares show previous records of *Epicauta erythrocephala*, blue square shows new record in Uighur Ili.

⁴ Kaszab,Z., 1952, Die palaearktischen und orientalischen Arten der Meloiden Gattung *Epicauta* Redtb. – Acta Biol. (Budapest) 3: 573-599.

⁵ <http://szmn.sbras.ru/Coleop/Meloidae.htm>



Announcement of the Short Documentary Films of the Cesa

Within the publication program of the Cesa, the following issues of the *Iconographia Insectorum* (Series A) and *Iconographia Arachnidorum* (Series A) were published.

The titles of the Mpeg films and their URL addresses are as follows:

Acraea natalica in Butterflies of South Africa (September 3, 2008)

Life of butterflies at Medike in Soutpansberg Mountains. *Acraea natalica* during feeding nectar on the flower, mpeg2, 0.39 minutes.

by Muhabbet Kemal

<http://www.archive.org/details/AcraeaNatalicaInButterfliesOfSouthAfrica>

Biodiversity of Soutpansberg Mountains, the South Africa I. Butterflies, Behaviours of some Acraea species (September 25, 2008)

Behaviours of some *Acraea* species. *Iconographia Insectorum* (Series A) A Documentary Video Records in Nature for Scientific Purpose by the CESA, mpeg2, 3.45 minutes.

by Muhabbet Kemal & Ahmet Ö.Koçak

<http://www.archive.org/details/BiodiversityOfSoutpansbergMountainTheSouthAfricaI.Butterflies>

1. A hunting Camel Spider at Catak, Van Province, East Turkey (Galeodidae, Solifugae).

Behaviours in the night.

Iconographia Arachnidorum Series A (Nr.1) by the Cesa (October 8, 2008), mpeg2, 2.09 minutes.

by Muhabbet Kemal

<http://www.archive.org/details/IconographiaArachnidorumSeriesABByTheCesa>

2. A Camel Spider at Kemaliye, Erzincan Province, East Turkey (Galeodidae, Solifugae).

Behaviours in the night.

Iconographia Arachnidorum Series A (Nr.2) by the Cesa (October 9, 2008), mpeg2, 2.06 minutes.

by Muhabbet Kemal

<http://www.archive.org/details/IconographiaArachnidorumSeriesAnr.2ByTheCesa>

A Firefly at Mon Long Summit (December 21, 2005)

<http://www.archive.org/details/AFireflyatMonLongSummit>

A short film on the behaviour of a lampyrid species (*Coleoptera*), during a short visit to a view point of Doi Suthep (Mon Long Summit), Chiang Mai, North Thailand, mpeg2, 5.32 minutes.

by Muhabbet Kemal

This film is also a part of the scientific project of the Cesa entitled Entomofauna of the Old World (EOW)



Announcement on the forthcoming electronical publications of the Cesa

Taking the recent progresses on the electronical publications in the Zoology (see ICZN- *Zootaxa* 1908: 57-67, 17 October, 2008) into consideration, the status of the scientific serials and other publications of the Cesa should be updated.

According to the new publication strategy of the Cesa, the scientific articles will be published in the following, exchangable serials as online access available to the readers. For this purpose, the previous exchange agreements will be revised and new agreements will be established with the entomological institutions, societies, museums of nature, and related departments of the universities in the World.

Currently available publications of the Cesa may be divided into two groups:

Publications may be obtained through Exchange agreements

Priamus
Priamus Supplement
Memoirs
Miscellaneous Papers
Cesa News
Studies on African Lepidoptera
Mpeg Films

Publications may be obtained through purchase

Iconographia Series A-D (Insectorum & Arachnidorum)
DVD Films
Cesa International Books as CDs

For more information please send e-mail to
Prof. Dr. Ahmet Omer Koçak cesa_tr@yahoo.com.tr



Centre for Entomological Studies Ankara

(A scientific Consortium)

(co-operation of research workers for pure-scientific, not commercial purpose)

Web Page of the Cesa: <http://www.cesa-tr.org/>

Scientific Serials: Priamus & Supplement (ISSN 1015-8243)⁶, Miscellaneous Papers (ISSN 1015-8235)⁷, Memoirs (ISSN-8227)⁸, DVD Films⁹, Iconographia Insectorum¹⁰, Cesa Publications on African Lepidoptera (series)¹¹, Cesa News [online]¹², Cesa Books¹³

Owners / Sahipleri - Editors / Yayıncılar: Prof. Dr. Ahmet Ömer Koçak (c/o Yüzüncü Yıl University, Turkey) - Editor Assistant: Asst. Prof. Dr. Muhabbet Kemal Koçak (c/o Yüzüncü Yıl University, Turkey).

Editorial Board of all Scientific Serials / Bütün Bilimsel Yayınların Yayın Kurulu: Insecta, taxonomy, nomenclature, ecology, faunistics: Prof. Dr. Ahmet Ömer Koçak (Yüzüncü Yıl Üniversitesi, Turkey), Asst. Prof. Dr. Muhabbet Kemal Koçak (Yüzüncü Yıl University, Turkey), Asst. Prof. Dr. Selma Seven (Gazi University, Turkey), General Entomology: Assoc. Prof. Dr. Paitoon Leksawasdi (Chiang Mai University, Faculty of Science, Thailand); Homoptera: Dr. Emine Demir (Turkey). Orthoptera: Dr. Piotr Naskrecki (Connecticut University, U.S.A.), Assoc. Prof. Dr. Mustafa Ünal (Abant İzzet Baysal University, Turkey), Asst. Prof. Dr. Yusuf Hüseyinoğlu (Mersin University, Turkey), Asst. Prof. Dr. Yaşar Gülmez (Gazi Osman Paşa University, Tokat). Coleoptera / Chrysomelidae: Assoc. Prof. M.S.Mohammedsaid (Malaysia). - Plant taxonomy, flora and vegetation: Prof. Dr. Lütfi Behçet, Asst. Prof. Dr. Fevzi Özgökçe, Asst. Prof. Dr. Mural Ünal (Yüzüncü Yıl University, Van, Turkey).

ALL RIGHTS RESERVED

Correspondences should be addressed to: Prof. Dr. Ahmet Ömer Koçak, c/o Yüzüncü Yıl University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, Kampus, Van / Turkey. - e-mails: cesa_tr@yahoo.com.tr - a_kocak@lycos.com

All serials are recorded regularly by the Zoological Record,
Thomson Reuters, Enterprise House, Innovation Way, Heslington, York, YO10 5NY, United Kingdom
ts-emea-york.dcsadmins@thomson.com

⁶ <http://www.cesa-tr.org/Pri.htm> - pdf available after corresponding

⁷ <http://www.cesa-tr.org/Miscell.htm> - pdf available after corresponding

⁸ <http://www.cesa-tr.org/Memoirs.htm> - pdf available after corresponding

⁹ <http://www.cesa-tr.org/CDF.htm>

¹⁰ <http://www.cesa-tr.org/Icon.htm>

¹¹ http://www.metafro.be/Members/Cesa/internet_sayfas305/base_view - pdf available

¹² <http://www.cesa-tr.org/Cesanews.htm> pdf available

¹³ <http://www.cesa-tr.org/Cesabooks.htm>